

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jared L. Zerbe  
Assignee: Rambus Inc.  
Title: "Crosstalk Minimization in Serial Link Systems"  
Serial No.: Unknown Filed: 05/19/2004  
Examiner: Unknown Tel: Unknown  
Docket No.: RA328.P.US Art Unit: Unknown

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Mail Stop: Patent Application  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

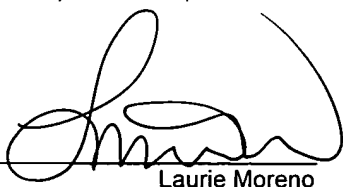
Sir:

Pursuant to 37 C.F.R. §1.56, §1.97 and §1.98, Applicant brings the 18 documents listed on the enclosed forms PTO-1449 to the Examiner's attention in the above-captioned application. Citation of the listed documents shall not be construed as:

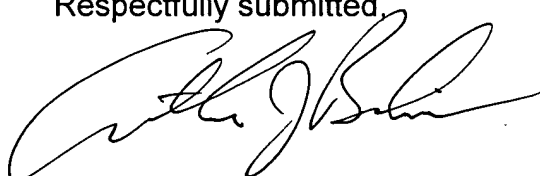
1. an admission that the documents are necessarily prior art with respect to the instant application;
2. a representation that a search has been made; or
3. an admission that the information cited is, or is considered to be, material to patentability as defined in §1.56(b).

I hereby certify that this correspondence is being deposited with the United States Postal Service via Express Mail Number ER 265640992 US: Mail Stop: Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

5.19.04  
Date

  
Laurie Moreno

Respectfully submitted,



Arthur J. Behiel  
Attorney for Applicants  
Reg. No. 39,603

U.S. Department of Commerce, Patent and Trademark Office	Serial No.: Unknown
	Filing Date: May 19, 2004
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Inventor: Jared L. Zerbe
"Crosstalk Minimization in Serial Link Systems"	Group Art Unit: Unknown
	Examiner Name: Unknown
Express Mail No. ER 265640992 US	Attorney Docket No.: RA328.P.US

## U.S. Patent and U.S. Patent Publication Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
	A	6,396,887 B1	05/28/02	Ware et al.	375	354	
	B	6,366,991 B1	04/02/02	Manning	711	167	
	C	5,509,038	04/16/96	Wicki	375	371	
	D	6,661,863 B1	12/09/03	Toosky	375	376	
	E	6,504,438 B1	01/07/03	Chang et al.	331	17	
	F	US 2003/0053489 A1	03/20/03	Zerbe et al.	370	503	
	G	US 2003/0099190 A1	05/29/03	Zerbe	370	201	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	H	JOHNSON, HOWARD DR., "Mitigating Crosstalk." High-Speed Digital Design - online newsletter - Vol. 6, Issue 01. January 20, 2003. Pages 1-3.
	I	"Shift Register Counters." Downloaded from <a href="http://www.eelab.usyd.edu.au/digital/tutorial/part/2/registor07.htr">http://www.eelab.usyd.edu.au/digital/tutorial/part/2/registor07.htr</a> . 09/17/02. 2 pages.
	J	STOJANOVIC, VLADIMIR et al., "Modeling and Analysis of High-Speed Links." Research supported by the MARCO Interconnect Focus Center and Rambus, Inc. September 2003. 8 pages.
	K	SIDIROPOULOS, STEFANOS et al., "Adaptive Bandwidth DLLs and PLLs Using Regulated Supply CMOS Buffers." 2000 Symposium of VLSI Circuits Digest of Technical Papers. 4 pages.
	L	SIDIROPOULOS, STEFANOS et al., "A Semidigital Dual Delay-Locked Loop." IEEE Journal of Solid-State Circuits, Vol. 32, No.11, November 1997. Pages 1683-1692.
	M	STOJANOVIC, VLADIMIR et al., "Adaptive Equalization and Data Recovery in a Dual-Model (PAM 2/4) Serial Link Transceiver." Rambus, Inc. Department of Electrical Engineering, Stanford University. January 2004. 4 pages.

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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U.S. Patent and U.S. Patent Publication Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
	N						
	O						
	P						
	Q						
	R						
	S						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	T	CHANG, KUN-YUNG KEN et al., "A 0.4-4Gb/s CMOS Quad Transceiver Cell Using On-Chip Regulated Dual-Loop PLLs." Rambus Inc., Los Altos, CA; T-RAM, San Jose, CA; Aeluros Inc, Mountain View, CA. May 2003. 4 pages.					
	U	FARJAD-RAD, RAMIN, "A 0.4- $\mu$ m CMOS 10-Gb/s 4-PAM Pre-Emphasis Serial Link Transmitter." Center for Integrated Systems, Stanford University, Stanford, CA. May 1999. 2 pages.					
	V	ZAND, BAHRAM et al., "High-Speed CMOS Analog Viterbi Detector for 4-PAM Partial Response Signalling." University of Toronto, Toronto, Canada. July 2002. 4 pages.					
	W	ZERBE, J. et al., "Equalization and Clock Recovery for a 2.5 - 10 Gbs 2-PAM/4-PAM Backplane Transceiver Cell." Presented at ISSCC 2003, paper 4.6 2 pages.					
	X	ZERBE, JARED L. et al., "Equalization and Clock Recovery for a 2.5-10-Gb/s 2-PAM/4-PAM Backplane Transceiver Cell." IEEE Journal of Solid-State Circuits, Vol. 38, No. 12, December 2003. Pages 2121-2130.					
	Y						
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<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>							